For Research Use Only

ACP6 Polyclonal antibody

Catalog Number:32084-1-AP

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Basic Information

Catalog Number:
32084-1-AP

Size:
150ul , Concentration: 450 ug/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG34812

GenBank Accession Number:
BC034686

GeneID (NCBI):
51205

UNIPROT ID:
Q9NPH0

Full Name:
acid phosphatase 6, lysophosphatidic

Calculated MW:
428 aa, 49 kDa

Observed MW:
43 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:1000-1:4000

Applications

Tested Applications:
WB, ELISA

Species Specificity:
human

Positive Controls:

WB : A2780 cells,

Background Information

Lysophosphatidic acid phosphatase type 6 (ACP6) is an LPA-specific acid phosphatase that hydrolyzes LPA to monoacylglycerol (MAG) and phosphate. Previous studies have shown that ACP6 is localized in the mitochondria with ubiquitous expression throughout all tissues, and high expression levels in kidney, heart, small intestine, muscle, and liver. Through specifi cally hydrolyzing LPA, ACP6 regulates mitochondrial lipid biosynthesis, thereby controlling important mitochondrial functions. It was also shown that ACP6 might be involved in tumor progression, suggesting that ACP6 could be a good candidate marker for the prognosis of esophageal cancer. Uniprot showed that by alternative splicing, ACP6 may have two kinds of shear fragments with molecular weights of 49 and 31kDa respectively. (PMID: 23807634)

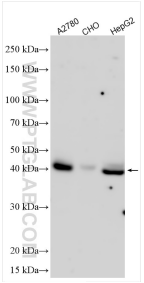
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1% BSA**

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 32084-1-AP (ACP6 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.